

theLuxa R180 BK

Item no.: 1010201

theben

Presence and motion detectors
Wall installation outdoor

Description

- Passive infra-red motion detector for wall installation
- 180° detection angle
- For outdoor use
- Protection from tampering thanks to the robust case design
- Covered operating controls under the secured front cover
- Adjustable brightness switching value and switch-off delay
- Area limit via lens attachment
- Mixed light measurement suitable for the control of fluorescent, incandescent, halogen lamps and LEDs
- Zero-cross switching for relay-saving switching and high lamp loads
- Test function for checking detection area
- Installation on flush-mounted socket possible (60 mm)
- Single-handed plug-in installation
- Instant start-up possible via factory preset
- Terminal for protective earth conductor



Technical data

theLuxa R180 BK	
Operating voltage	230 V AC
Frequency	50 - 60 Hz
Stand-by consumption	<0.5 W
Light measurement	Mixed light measurement
Number of channels	1
Colour	Black (similar RAL 9005)
Switching output	Light
Installation type	Wall installation, Surface mounted
Switching capacity	10 A at 230 V AC, $\cos \varphi = 1$
Detection angle	180°
Installation height	2.5 m
Light switch-off delay	2 s - 30 min
Incandescent/halogen lamp load	2300 W
Fluorescent lamp load (conventional) not corrected	500 VA
Fluorescent lamp load (conventional) parallel-corrected	500 W 60 μ F
Fluorescent lamp load (conventional) series-corrected	500 VA

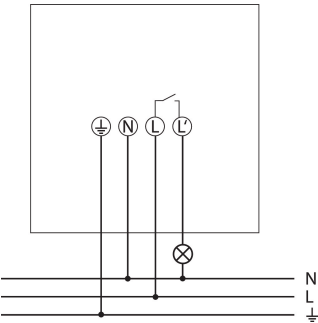
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Fluorescent lamp load (electronic ballast)	500 W
Energy saving lamps	500 W
LED lamp < 2 W	50 W
LED lamp 2-8 W	500 W
LED lamp > 8 W	500 W
Lamp types	Incandescent/halogen lamps, fluorescent lamps, Energy saving lamps, LEDs
Detection range	12 m
Detection range	Semicircular
Ambient temperature	-25°C ... 45°C
Impact resistance	IK09
Protection class	II
Type of protection	IP 55
GWP Cradle-to-Gate (A1-A3)	4.47 kg CO ₂ eq
GWP Cradle-to-Grave (A1-C4)	20.87 kg CO ₂ eq

Subject to technical changes and misprints

additional information at: www.theben.de/product/1010201

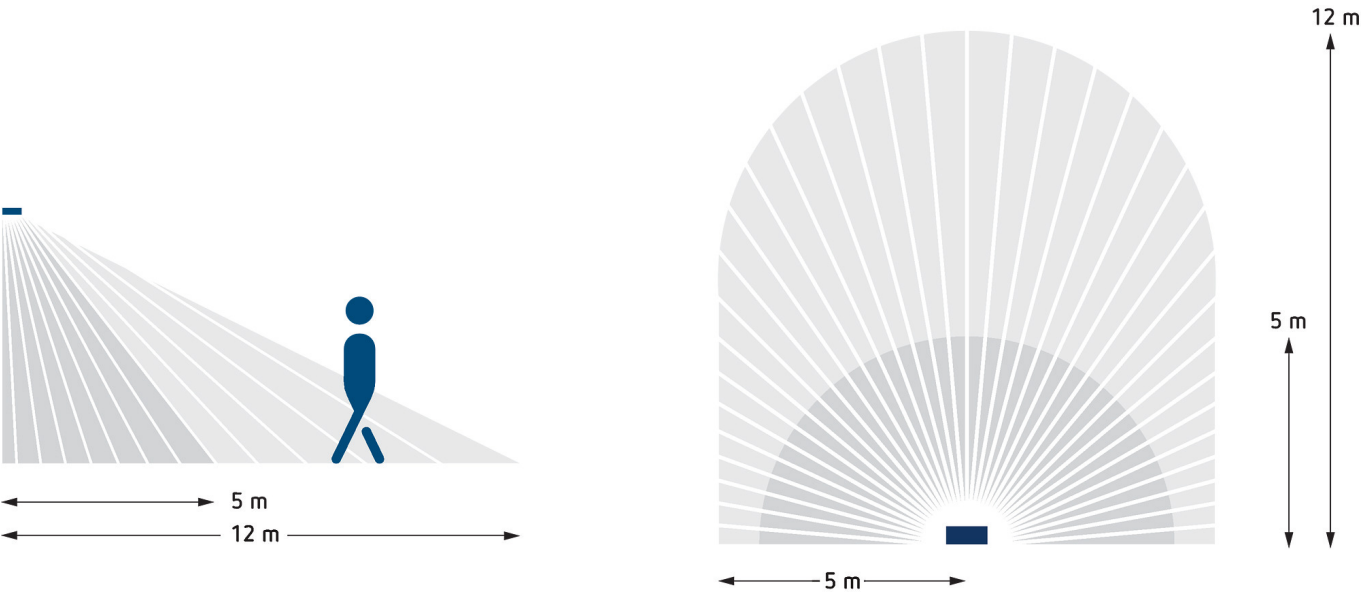
The load data are determined with exemplary selected illuminants and are therefore typical data due to the large number of available products.

Connection example



Detection range for planning applications at a temperature of 21 °C

Mounting height (A)	Diagonally (t)	Head on to (R)
2.5 m	12 m	5 m

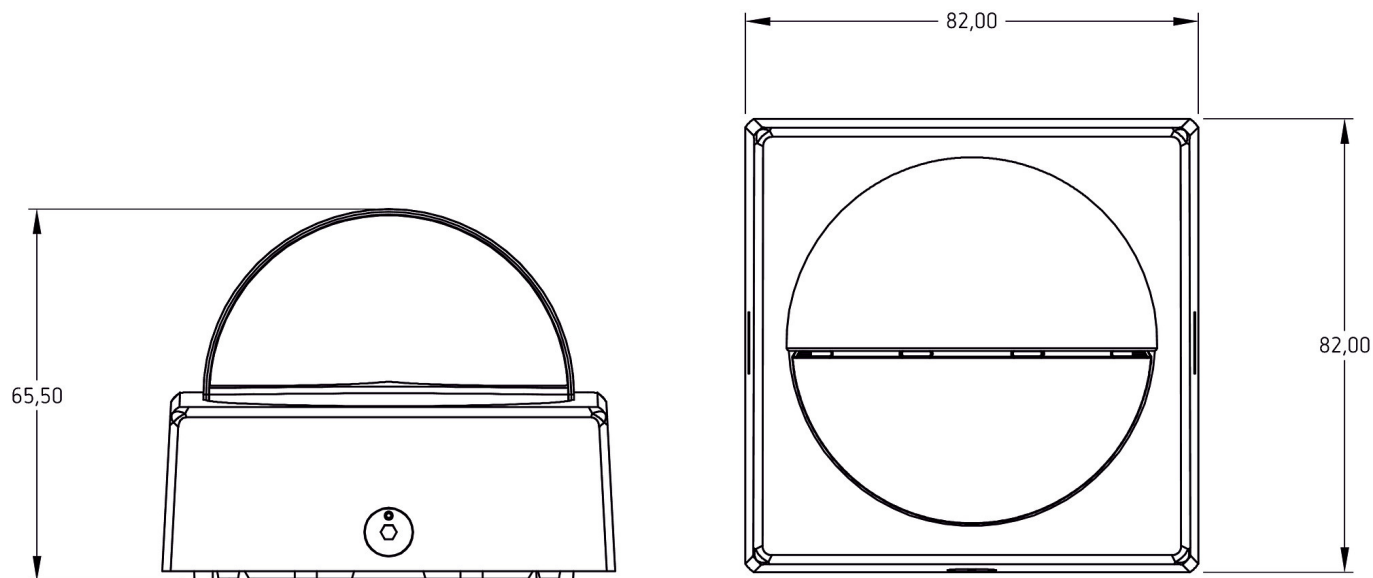


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Scale drawings



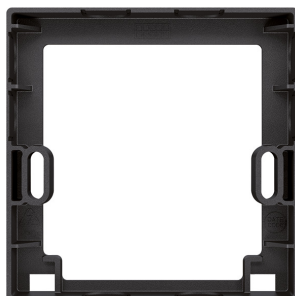
Accessories

Corner angle 10 BK

Item no.: 9070987

Spacer 10 BK

Item no.: 9070988



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